

**COMBINED DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

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PD- 00-1006

- ☒ Original  
☐ Continuation  
☐ Division  
☐ Continuation-in-part  
☐ Supplemental  
☐ PCT  
☐ Design

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Programmable Optical Vector Modulator and Method for Use in Coherent Optical Communication

the specification of which

(check one) ☒ is attached hereto  
☐ was filed on \_\_\_\_\_ as \_\_\_\_\_  
Application Serial No. \_\_\_\_\_ and (a) [other than supplemental] was amended  
on or (b) [supplemental] with amendments through \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of the application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Priority Claimed

\_\_\_\_\_  
Number Country Day/Month/Year filed

☐  
Yes

☐  
No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
Application Serial No. Filing Date Status  
(patented, pending, abandoned)

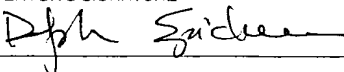
I hereby appoint the following attorney(s), or agent(s) and attorney(s), to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth W. Float, Registration No. 29,233

Address all telephone calls to Kenneth W. Float at (949) 459-5519.

Address all correspondence to Mr. Keith Nelson, Lockheed Martin Corp., P. O. Box 49041, San Jose, CA 95161-9041.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST JOINT INVENTOR Ralph Spickermann	INVENTOR'S SIGNATURE 	DATE April 27, 2001
RESIDENCE 3733 Country Club Drive Redwood City CA 94061	CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS 3733 Country Club Drive, Redwood City, CA 94061		
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		

**PATENTS ONLY**

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Ralph Spickermann

## 2. Name and address of receiving party(ies):

Name: Lockheed Martin Corporation

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: 6801 Rockledge DriveCity: Bethesda State MD Zip 20817Execution Date: 4/27/01Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 4/27/01

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Keith D. NelsonInternal Address: Lockheed Martin CorporationB/220, M/S A08Street Address: 3200 Zanker RoadCity: San Jose State CA Zip 95161-9041

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):..... \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my know/edge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Kenneth W. Float

Name of Person Signing



Signature

April 30, 2001

Date

Total number of pages comprising cover sheet:

1

ASSIGNMENT

PATENT 00-1006

WHEREAS, I (We), as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my (our) name(s), have invented a(an) Programmable Optical Vector Modulator and Method for Use in Coherent Optical Communication for which application for Letters patent of the United States has been executed by me (us) on this day, or (if the following is completed) filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_; and

WHEREAS Lockheed Martin Corporation, ("Lockheed") having a place of business located at 6801 Rockledge Drive, Bethesda, MD is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world:

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we) do hereby sell, assign and transfer unto Lockheed, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under said application for Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

Name(s) of inventor(s)

Address

Ralph Spickermann  
First Inventor

3733 Country Club Drive, Redwood City, CA 94061

\_\_\_\_\_  
Second Inventor

\_\_\_\_\_  
Third Inventor

\_\_\_\_\_  
Fourth Inventor


\_\_\_\_\_  
Fifth Inventor

\_\_\_\_\_  
Sixth Inventor

\_\_\_\_\_  
Seventh Inventor

And for the above consideration, I (we each) agree promptly upon request from Lockheed its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Lockheed its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of such Letters Patent provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by Lockheed.

IN WITNESS WHEREOF, I (we) hereunto set my (our) hand(s) and seal(s):

  
Inventor's Signature

APR 27, 2001  
Assignment Execution Date

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Assignment Execution Date

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Inventor's Signature

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Inventor's Signature


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Assignment Execution Date

\_\_\_\_\_  
Inventor's Signature

\_\_\_\_\_  
Assignment Execution Date

STATE OF California )COUNTY OF San Mateo ) ss.:

BEFORE me this 27<sup>th</sup> day of April, 192001, personally appeared Ralph Sackerman who is ☐ personally known or ☒ proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his free act and deed

  
Notary Public

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ ) ss.:

BEFORE me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared \_\_\_\_\_ who is ☐ personally known or ☐ proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his free act and deed

\_\_\_\_\_  
Notary Public

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ ) ss.:

BEFORE me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared \_\_\_\_\_ who is ☐ personally known or ☐ proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his free act and deed

\_\_\_\_\_  
Notary Public

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ ) ss.:

BEFORE me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, personally appeared \_\_\_\_\_ who is ☐ personally known or ☐ proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his free act and deed

\_\_\_\_\_  
Notary Public